

Name: _____ TP: _____

HW#28: Midpoint Application and Quiz
Review
Geometry

Due Date: Friday, Oct 3rd, 2014 *Form A*

Failure to show work on all problems or use complete sentences will result in a LaSalle.

- 1) Find the midpoint of the following line segments:

\overline{AB}
 \overline{BC}
 \overline{CA}

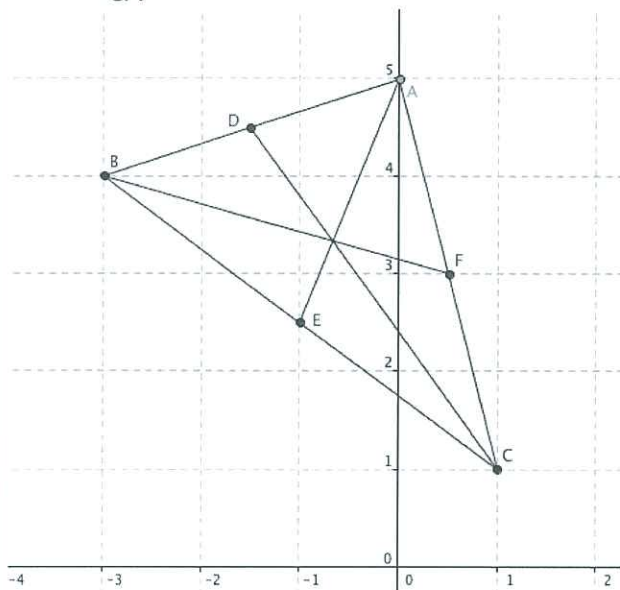
G: Find midpoint of \overline{AB} , \overline{BC} , \overline{CA}

R: Endpoints $A(0,5)$; $B(-3,4)$; $C(1,1)$

A:

S:

P:



Use the description of a number line below to answer questions 5 – 6. Sketch the number line below before answering the questions.

On a number line, point W is located at 3, X is located at -5, Y is located at -16, and Z is located at 11.



5. What is the distance, in coordinate units, between points W and Z?

6. What is the distance, in coordinate units, between points Y and Z?

7. How much longer is WY than XZ ?

8. How much longer is YZ than WX ?

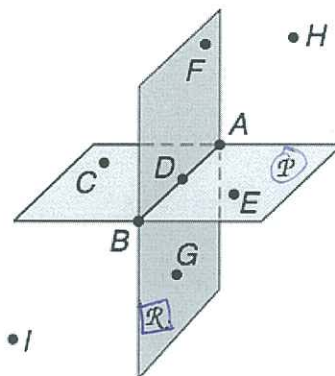
9. Which of the following best describes the points P, Q, and R?

- I. The points P, Q, and R are collinear
- II. The points P, Q, and R are non-collinear
- III. The points P, Q, and R are on the plane R



- A. I only
- B. II only
- C. I, II, and III
- D. III only

10. Use the diagram below.



Name all the points on plane P _____

Name all the points on plane R _____

Name 3 collinear points _____

Name 3 non-collinear points A, F, I _____

11. On a number line, what is the distance in coordinate units between point R at 5 and Q at 17?

12. Line AB is bisected at point C. Find BC if $AC = 12$ cm.

13. A number line has the following points: point M at -7 , point N at 10 , point K at 2 , and point H at -3 . What is the difference in length between MN and KH ?

14. $(2, -1)$ and $(7, 6)$ Graph and find midpoint
Find midpoint algebraically.

